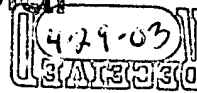


Official



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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- Sub B1
1. (currently amended) A color signal matrix adjustment method, comprising:
    - adjusting ~~(VAC)~~ a single first color signal matrix related value to obtain a color signal matrix adjustment; and
    - automatically adapting ~~(AAC)~~ at least two color signal matrix parameters other than said single first color signal matrix related value in dependence upon said color signal matrix parameter adjustment.
  2. (currently amended) ~~A method as claimed in~~ The method of claim 1, wherein:
    - said single first color signal matrix related value is a first color signal matrix parameter corresponding to a first color<sub>1</sub>
    - said color signal matrix adjustment is an increase of said first color signal matrix parameter by an amount  $\delta$  to change a reproduction of said first color<sub>1</sub> and
    - said automatically adapting step includes multiplying all color matrix parameters corresponding to colors other than said first color by a factor  $(\Sigma X + \delta) / \Sigma X$ , in which  $\Sigma X$  is a sum of color signal matrix parameters corresponding to said first color, to maintain a white reproduction to a large extent.

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3. (currently amended) ~~A method as claimed in~~ The method of claim 1, wherein:

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said single first color signal matrix related value is a sum  $\Sigma X$  of color signal matrix parameters corresponding to a first color  $r_i$

said color signal matrix adjustment is an increase of said sum  $\Sigma X$  of color signal matrix parameters by an amount  $\delta$  to change a reproduction of both said first color and white  $r_i$  and

said automatically adapting step includes multiplying all color matrix parameters corresponding to said first color by a factor  $(\Sigma X + \delta) / \Sigma X$  to maintain a ratio between said color matrix parameters corresponding to said first color.

4. (currently amended) ~~A method as claimed in~~ The method of claim 1, wherein:

said single first color signal matrix related value is a sum  $\Sigma X$  of color signal matrix parameters corresponding to a first color  $r_i$

said color signal matrix adjustment is an increase of said sum  $\Sigma X$  of color signal matrix parameters by an amount  $\delta$  to change color signal amplitudes  $r_i$  and

said automatically adapting step includes multiplying all color matrix parameters by a factor  $(\Sigma X + \delta) / \Sigma X$  to maintain a reproduction of both said first color and white.

5. (currently amended) A color signal matrix adjustment device ~~(AAC, VAC, CC)~~, comprising:

means ~~(VAC)~~ for adjusting a single first color signal matrix related value to obtain a color signal matrix adjustment; and

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means ~~(AAC)~~ for automatically adapting at least two color signal matrix parameters other than said single first color signal matrix related value in dependence upon said color signal matrix parameter adjustment.

B1  
Wmd  
6. (currently amended) A color camera, comprising: a color sensor ~~(S)~~ for producing input color signals ~~(Ri, Gi, Bi)~~; and a color signal matrix adjustment device ~~(AAC, VAC, CC)~~ as ~~claimed in claim 5~~ for adjusting said input color signals ~~(Ri, Gi, Bi)~~ to obtain output color signals ~~(Ro, Go, Bo)~~, wherein the color signal matrix adjustment device includes:

means for adjusting a single first color signal matrix related value to obtain a color signal matrix adjustment; and

means for automatically adapting at least two color signal matrix parameters other than said single first color signal matrix related value in dependence upon said color signal matrix parameter adjustment.